

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Christopher W. Bratteli Examiner: Navin Natnithithadha
Serial No.: 10/780,960 Group Art Unit: 3736
Filed: February 17, 2004 Docket No.: 120.020US2
Title: METHOD AND APPARATUS FOR CALIBRATING AND MEASURING
ARTERIAL COMPLIANCE AND STROKE VOLUME

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ This Transmittal and a Return Postcard;
- ☒ A Supplemental Information Disclosure Statement (1 page);
- ☒ A Form PTO/SB/08 (Substituted for Form 1449) (4 pages)
- ☒ Copies of twenty-six (26) foreign patent documents, and non-patent documents, cited in this SIDS.

If not provided for in a separate paper filed herewith, please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 502931.

DATE: SEPTEMBER 7, 2005

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PO BOX 11358
ST. PAUL, MN 55111
CUSTOMER NO: 40064

BY: *Charles A. Lemaire*
NAME: CHARLES A. LEMAIRE
REG. NO. 36,198

Date of Deposit: September 7, 2005

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited on this 7th day of September, 2005 with the United States Postal Service with sufficient postage as first-class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Gregory A. Lemaire
Name

Gregory A. Lemaire
Signature

S/N 10/780,960

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Christopher W. Bratteli

Examiner: Navin Natnithithadha

Serial No.: 10/780,960

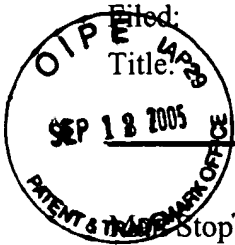
Group Art Unit: 3736

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT



Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form PTO/SB/08 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the PTO/SB/08 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to the Strategic Plan Final Rule, effective October 21, 2004, Applicant believes copies of cited U.S. patents and U.S. patent application publications are not required to be provided with an Information Disclosure Statement. If copies of cited U.S. issued patents or U.S. patent applications are required for this application, please notify the Applicant's Representative.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with this Supplemental IDS. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 502931 in order to have this Supplemental IDS considered. The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,
CHRISTOPHER W. BRATTELI
By his Representatives,

LEMAIRE PATENT LAW FIRM, PLLC
P.O. Box 11358
ST. PAUL, MN 55111
TELEPHONE: 952-278-3500

Date September 7, 2005

By Charles A. Lemaire
Charles A. Lemaire Reg. No. 36,198

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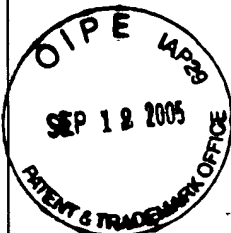
Gregory A. Lemaire
Name

Gregory A. Lemaire
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/780,960
Filing Date	February 17, 2004
First Named Inventor	Bratteli, Christopher
Group Art Unit	3736
Examiner Name	Navin Natnithithadha

Sheet 1 of 4

Attorney Docket No: 120.020US2

US PATENT DOCUMENTS

Examiner Initial *	Cite No. *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,651,353	03/21/1972	Hugli, Hans W., et al.	
		US-3,766,616	10/23/1973	Staudte, Juergen	
		US-4,409,983	10/18/1983	Albert, D. E.	
		US-4,431,873	02/14/1984	Dunn, Robert G., et al.	
		US-4,672,976	06/16/1987	Kroll, Mark W.	
		US-4,784,154	11/15/1988	Shirley, Donald J., et al.	
		US-4,889,133	12/26/1989	Nelson, Craig H., et al.	
		US-4,947,859	08/14/1990	Brewer, James E., et al.	
		US-4,949,710	08/21/1990	Dorsett, Thomas J., et al.	
		US-4,993,422	02/19/1991	Hon, Edward H., et al.	
		US-5,035,247	07/30/1991	Heimann, Jochen	
		US-5,054,493	10/08/1991	Cohn, J. N., et al.	
		US-5,211,177	05/18/1993	Chesney, Charles F., et al.	
		US-5,240,007	08/31/1993	Pytel, Kenneth J., et al.	
		US-5,241,964	09/07/1993	McQuilkin, Gary L.	
		US-5,269,312	12/14/1993	Kawamura, Norio, et al.	
		US-5,316,004	05/31/1994	Chesney, Charles F., et al.	
		US-5,337,750	08/16/1994	Walloch, Richard A.	
		US-5,479,377	12/26/1995	Lum, Paul, et al.	
		US-5,524,637	06/11/1996	Erickson, J. W.	
		US-5,533,511	07/09/1996	Kaspari, William J., et al.	
		US-5,544,651	08/13/1996	Wilk, P. J.	
		US-5,551,437	09/03/1996	Lotscher, B.	
		US-5,551,438	09/03/1996	Moses, J. W.	
		US-5,560,366	10/01/1996	Harada, C., et al.	
		US-5,577,508	11/26/1996	Medero, Richard	
		US-5,584,298	12/17/1996	Kabal, J.	
		US-5,590,661	01/07/1997	Ohmori, K., et al.	
		US-5,592,401	01/07/1997	Kramer, J. F.	
		US-5,617,868	04/08/1997	Harada, C., et al.	
		US-5,623,933	04/29/1997	Amano, K., et al.	
		US-5,638,823	06/17/1997	Akay, , et al.	
		US-5,640,964	06/24/1997	Archibald, G. K., et al.	
		US-5,642,733	07/01/1997	Archibald, G. K., et al.	
		US-5,647,369	07/15/1997	Petrucelli, S. P., et al.	
		US-5,649,542	07/22/1997	Archibald, G. K., et al.	
		US-5,671,750	09/30/1997	Shinoda, M.	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/780,960
	Filing Date	February 17, 2004
	First Named Inventor	Bratteli, Christopher
	Group Art Unit	3736
	Examiner Name	Navin Natnithithadha
Sheet 2 of 4	Attorney Docket No: 120.020US2	

	US-5,679,999	10/21/1997	Nagahama, Shouhei	
	US-5,704,362	01/06/1998	Hersh, Lawrence T., et al.	
	US-5,752,919	05/19/1998	Schrimpf, Kathleen	
	US-5,772,620	06/30/1998	Szlema, I., et al.	
	US-5,845,643	12/08/1998	Vergano, E. M., et al.	
	US-5,908,027	06/01/1999	Butterfield, R. D., et al.	
	US-6,017,313	01/25/2000	Bratteli, Christopher W., et al.	
	US-6,186,954	02/13/2001	Narimatsu, K.	
	US-6,210,340	04/03/2001	Amano, K., et al.	
	US-6,331,161	12/18/2001	Chesney, Charles F., et al.	
	US-6,554,774	04/29/2003	Miele, F. R.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code – Number – Kind Code (if known)				
		DE-4190521	03/12/1990	von Bezold, D., et al.		
		EP-0357275A1	03/07/1990	Zanetti, J. M., et al.		
		EP-EP 0253375	01/20/1988	Fukada, T., et al.		
		JP-JP 60-102777	06/06/1985	Arai, Yuji		
		WO-87/02233	04/23/1987	Furugard, E., et al.		
		WO-92/09232	06/11/1992	Peel, H.		
		WO-94/05207	03/17/1994	Reeves, W., et al.		
		WO-95/06525	03/09/1995	Kassal, J., et al.		

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Acoustic Contact Sensor", <u>Apollo Research Corp.</u> , (August, 1997), 1-5	
		"Clues to the Aging Process of Arteries", <u>Harvard Heart Letter</u> , 8(2) <u>Harvard Medical School</u> , (October 1997), 4 pgs.	
		"Guide to Modern Piezoelectric Ceramics", <u>Morgan Matroc, Inc. Electro Ceramics Division</u> , 6 pages	
		<u>Harvard Heart Letter</u> , <u>Harvard Medical School</u> , 7(7), (March 1997), 5 pgs.	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<i>Complete if Known</i>	
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	Group Art Unit	3736
	Examiner Name	Navin Natnithithadha
Sheet 3 of 4		Attorney Docket No: 120.020US2

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Nellcor's N-CAT Continuous Noninvasive Blood Pressure Monitor, Model N-500", (1991), 9 pages	
		"Non-Invasive Blood Pressure/Pulse Rate Monitoring and Recording System", Portfolio Health Series, Pulse Metric, Inc. 6 pages	
		BING, R J., et al., "Reversal of Acetylcholine Effect on Atherosclerotic Coronary Arteries by Estrogen: Pharmacologic Phenomenon of Clinical Importance?", <u>Journal of the American college of Cardiology</u> , 20(2), (August 1992), 458-9	
		BRINTON, T.J., et al., "Non-Invasive Arterial Waveform Analysis and Blood Pressure Measurement", Presented at the American Society of Hypertension Conference, 1994	
		BRINTON, T.J., et al., "Arterial Compliance by Cuff Sphygmomanometer", <u>Hypertension</u> , 28(4), (October 1996), 599-603	
		BRINTON, T.J., et al., "The Development and Validation of a New Non-invasive Method to Evaluate Ventricle Function During Routine Blood Pressure Monitoring", <u>American Journal of Hypertension</u> , 10(4) Part 2 (Abstract Issue), (1997), 2 pages	
		COHN, J. N., et al., "Noninvasive Pulse wave Analysis for the early detection of Vascular Disease", <u>Hypertension</u> , 26, (September, 1995), 503-508	
		GLASSER, S.P., et al., "Vascular Compliance and Cardiovascular Disease", <u>AJH</u> , 10(10), Part 1, (October 1997), 1175-1189	
		KLUGER, J. , "Beyond Cholesterol", <u>Time</u> , (August 4, 1997), 48	
		MCVEIGH, G. E., et al., "Age-Related Abnormalities in Arterial Compliance Identified by Pressure Pulse Contour Analysis", <u>Hypertension</u> , 1999;33:1392-1398., (June 1999), 1392-1398	
		MCVEIGH, G.E., et al., "Vascular Abnormalities Associated with Long-term Cigarette Smoking Identified by Arterial Waveform Analysis", <u>The American Journal of Medicine</u> , 102, (March 1997), 227-231.	
		RAJKUMAR, et al., "Hormonal Therapy Increases Arterial Compliance in Postmenopausal Women", <u>JACC</u> , 30(2), (August 1997), 350-356	

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		SIMON, et al., "Detection of Preclinical Atherosclerosis May Optimize the Management of Hypertension", <u>AJH</u> , 10(7) Part 1, (July 1997), 813-824	
		YOSHIZAWA, et al., "Classical but Effective Techniques for Estimating Cardiovascular Dynamics", <u>IEEE Engineering in Medicine & Biology Magazine</u> , 16(5), (Sept-Oct 1997), 106-112	

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